

IN THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application.

1-8. (canceled)

9. (new) A process for coating with a polymer a component of fiber reinforced plastic to be painted, the process comprising:

modifying a prepolymer with an electrically conductive substance

extrudeing the prepolymer,

applying the prepolymer onto the component, wherein the prepolymer is pre-cured in a first step and is final cured in a second step by the action of thermal radiation and/or electromagnetic radiation.

10. (new) The process according to Claim 9, wherein the final curing occurs during a subsequent electrostatic painting, at which time the polymer coating is also painted.

11. (new) The process according to Claim 9, wherein the electrostatic painting is cataphoretic painting.

12. (new) The process according to Claim 9, wherein the prepolymer is initially extruded as a conductive film

intermediate, which in a subsequent step is applied upon the component.

13. (new) The process according to Claim 9, wherein the prepolymer is extruded directly upon the component.
14. (new) The process according to Claim 9, wherein the edges of the component are covered over by the extruded and cross-linked polymer.
15. (new) The process according to Claim 9, wherein the cross-linking of the pre-polymer occurs by electromagnetic waves.
16. (new) The process according to Claim 9, wherein the prepolymer is cross-linked by UV-radiation.